

01/25/02
JC984 U.S. PTO

01-28-02 A

Please type a plus sign (+) inside this box +

PTO/SB/05 (11-00)

Approved for use through 10/31/2002. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

UTILITY PATENT APPLICATION TRANSMITTAL

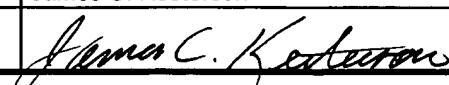
(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. TI-32595

First Inventor Barink

Title RFID Systems - Antenna System and Software
Method to Spatially Locate Transponders

Express Mail Label No. EV 052 594 154 US

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--------------------------------|--|--------------|------|--------------|--|--|---------|--------------------------------|--|--|------|--------|-------|-------|---------|----|-----------|--------------|--|--|----------|-------|--|--|-----|--------------|
| APPLICATION ELEMENTS <small>See MPEP chapter 600 concerning utility patent application contents.</small> | | ADDRESS TO: Assistant Commissioner for Patents Box Patent Application Washington, DC 20231 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1. <input checked="" type="checkbox"/> Fee Transmittal Form (e.g., PTO/SB/17) <small>(Submit an original and a duplicate for fee processing)</small> | | 7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix) | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2. <input type="checkbox"/> Applicant claims small entity status. <small>See 37 CFR 1.27.</small> | | 8. Nucleotide and/or Amino Acid Sequence Submission <small>(if applicable, all necessary)</small> | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3. <input checked="" type="checkbox"/> Specification [Total Pages 16] <ul style="list-style-type: none"> - Descriptive title of the invention - Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings (if filed) - Detailed Description - Claim(s) - Abstract of the Disclosure | | a. <input type="checkbox"/> Computer Readable Form (CRF) | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4. <input checked="" type="checkbox"/> Drawing(s) (35 U.S.C. 113) [Total Sheets 2] | | b. <input type="checkbox"/> Specification Sequence Listing on: <ul style="list-style-type: none"> i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or ii. <input type="checkbox"/> paper | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5. Oath or Declaration [Total Sheets 1] <ul style="list-style-type: none"> a. <input checked="" type="checkbox"/> Newly executed (original or copy) b. <input type="checkbox"/> Copy from a prior application (37 CFR 1.63 (d)) <small>(for continuation/divisional with Box 18 completed)</small> <ul style="list-style-type: none"> i. <input type="checkbox"/> DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b). | | c. <input type="checkbox"/> Statements verifying identity of above copies | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6. <input type="checkbox"/> Application Data Sheet. See 37 CFR 1.76 | | 17. <input type="checkbox"/> Other: | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76: <input type="checkbox"/> Continuation <input type="checkbox"/> Divisional <input type="checkbox"/> Continuation-in-part (CIP) <small>Prior application information: _____ Examiner: _____</small> | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| of prior application No.: _____ <small>Group Art Unit: _____</small> | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts. | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 19. CORRESPONDENCE ADDRESS | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> Customer Number or Bar Code Label | | 23494 <small>(Insert Customer No. or Attach bar code label here)</small> | | | | | | | | | | | | | | | | | | | | | | | | | |
| or <input type="checkbox"/> Correspondence address below | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">Name</td> <td colspan="3">Russ Baumann</td> </tr> <tr> <td>Address</td> <td colspan="3">Texas Instruments Incorporated</td> </tr> <tr> <td>City</td> <td>Dallas</td> <td>State</td> <td>Texas</td> </tr> <tr> <td>Country</td> <td>US</td> <td>Telephone</td> <td>972-917-5440</td> </tr> <tr> <td></td> <td></td> <td>Zip Code</td> <td>75265</td> </tr> <tr> <td></td> <td></td> <td>Fax</td> <td>972-917-4418</td> </tr> </table> | | | | Name | Russ Baumann | | | Address | Texas Instruments Incorporated | | | City | Dallas | State | Texas | Country | US | Telephone | 972-917-5440 | | | Zip Code | 75265 | | | Fax | 972-917-4418 |
| Name | Russ Baumann | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Address | Texas Instruments Incorporated | | | | | | | | | | | | | | | | | | | | | | | | | | |
| City | Dallas | State | Texas | | | | | | | | | | | | | | | | | | | | | | | | |
| Country | US | Telephone | 972-917-5440 | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Zip Code | 75265 | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Fax | 972-917-4418 | | | | | | | | | | | | | | | | | | | | | | | | |
| Name (Print/type) | | James C. Kesterson | | | | | | | | | | | | | | | | | | | | | | | | | |
| Signature | |  | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Date <i>25 Jan 2002</i> | | | | | | | | | | | | | | | | | | | | | | | | | |

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

FEE TRANSMITTAL for FY 2002

Patent fees are subject to annual revision.

 Applicant Claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 780.00)

Complete if Known

| | |
|----------------------|------------------|
| Application Number | TBD |
| Filing Date | January 25, 2002 |
| First Named Inventor | Barink |
| Examiner Name | TBD |
| Group Art Unit | TBD |
| Attorney Docket No. | TI-32595 |

METHOD OF PAYMENT (check all that apply)

 Check Credit card Money Order Other None Deposit Account

20-0668

Deposit Account Number

Texas Instruments Incorporated

Deposit Account Name

The Commissioner is authorized to: (check all that apply)

 Charge fee(s) indicated below Credit any overpayments
 Charge any additional fee(s) during the pendency of this application
 Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

| Large Entity | Small Entity | Fee Description | Fee Paid |
|--------------|--------------|-----------------|----------|
| Fee Code | Fee (\$) | Fee Code | Fee (\$) |
| 101 | 740 | 201 | 370 |
| 106 | 330 | 206 | 165 |
| 107 | 510 | 207 | 255 |
| 108 | 740 | 208 | 370 |
| 114 | 160 | 214 | 80 |
| SUBTOTAL (1) | | (\$ 740.00) | |

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

| Total Claims | Independent Claims | Multiple Dependent | Extra Claims | Fee from below | Fee Paid |
|--------------|--------------------|--------------------|--------------|----------------|----------|
| 12 | -20**= 0 | x 18 = 0 | | | |
| 2 | -3**= 0 | x 84 = 0 | | | |

| Large Entity | Small Entity | Fee Description |
|--------------|--------------|---|
| Fee Code | Fee (\$) | Fee Description |
| 103 | 18 | 203 9 Claims in excess of 20 |
| 102 | 84 | 202 42 Independent claims in excess of 3 |
| 104 | 280 | 204 140 Multiple dependent claim, if not paid |
| 109 | 84 | 209 42 **Reissue independent claims over original patent |
| 110 | 18 | 210 9 **Reissue claims in excess of 20 and over original patent |
| SUBTOTAL (2) | | (\$ 0) |

** or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)

3. ADDITIONAL FEES

| Large Entity | Small Entity | Fee Paid |
|-----------------------------------|--------------|---|
| Fee | Fee | Fee |
| 105 | 130 | 205 65 Surcharge – late filing fee or oath |
| 127 | 50 | 227 25 Surcharge – late provisional filing fee or cover sheet |
| 139 | 130 | 139 130 Non-English specification |
| 147 | 2,520 | 147 2,520 For filing a request for ex parte reexamination |
| 112 | 920* | 112 920* Requesting publication of SIR prior to Examiner action |
| 113 | 1,840* | 113 1,840* Requesting publication of SIR after Examiner action |
| 115 | 110 | 215 55 Extension for reply within first month |
| 116 | 400 | 216 200 Extension for reply within second month |
| 117 | 920 | 217 460 Extension for reply within third month |
| 118 | 1,440 | 218 720 Extension for reply within fourth month |
| 128 | 1,960 | 228 980 Extension for reply within fifth month |
| 119 | 320 | 219 160 Notice of Appeal |
| 120 | 320 | 220 160 Filing a brief in support of an appeal |
| 121 | 280 | 221 140 Request for oral hearing |
| 138 | 1,510 | 138 1,510 Petition to institute a public use proceeding |
| 140 | 110 | 240 55 Petition to revive – unavoidable |
| 141 | 1,280 | 241 640 Petition to revive – unintentional |
| 142 | 1,280 | 242 640 Utility issue fee (or reissue) |
| 143 | 460 | 243 230 Design issue fee |
| 144 | 620 | 244 310 Plant issue fee |
| 122 | 130 | 122 130 Petitions to the Commissioner |
| 123 | 50 | 123 50 Processing fee under 37 CFR 1.17(q) |
| 126 | 180 | 126 180 Submission of Information Disclosure Stmt |
| 581 | 40 | 581 40 Recording each patent assignment per property (times number of properties) |
| 146 | 740 | 246 370 Filing a submission after final rejection (37 CFR § 1.129(a)) |
| 149 | 740 | 249 370 For each additional invention to be examined (37 CFR § 1.129(b)) |
| 179 | 740 | 279 370 Request for Continued Examination (RCE) |
| 169 | 900 | 169 900 Request for expedited examination of a design application |
| Other fee (specify) | | 40.00 |
| *Reduced by Basic Filing Fee Paid | | SUBTOTAL (3) (\$ 40.00) |

Complete if applicable

| SUBMITTED BY | Complete if applicable | | |
|-------------------|------------------------|-----------------------------------|-------------------------------|
| Name (Print/Type) | James C. Kesterson | Registration No. (Attorney/Agent) | 25,882 Telephone 972-732-1001 |
| Signature | James C. Kesterson | Date | 25 Jan 2002 |

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Barink Art Unit: TBD
Serial No.: TBD Examiner: TBD
Filed: January 25, 2002 Docket: TI-32595
For: RFID Systems - Antenna System and Software Method to Spatially Locate
Transponders

Certificate of Mailing via Express Mail

EXPRESS MAIL mailing label number: EV 052 594 154 US

Date of Deposit: January 25, 2002

I hereby certify that the following documents, which are enclosed, are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to: BOX: Patent Application, Assistant Commissioner for Patents, Washington, DC 20231:

- Utility Patent Application Transmittal (1 page)
- Complete Copy of Patent Application (18 pages), to include:
 - Specification (16 pages)
 - Drawing Sheets (2 pages)
- Declaration and Power of Attorney (1 page)
- Assignment Recordation Cover Sheet (1 page)
- Copy of Original Signed Assignments (1 page)
- Fee Transmittal (1 original and 1 copy)
- Two (2) Return Postcards

Respectfully submitted,



Karen D. Fabritiis
Legal Assistant

Slater & Matsil, L.L.P.
17950 Preston Rd., Suite 1000
Dallas, Texas 75252-5793
Tel: 972-732-1001
Fax: 972-732-9218